

REMARKS

Claims 1-20 are pending. By this Amendment, the Abstract and specification are replaced with a Substitute Abstract and Substitute Specification, and the title and claims 1-3, 8-13, 17 and 18 are amended. No new matter has been added.

The attached Appendix includes marked-up copies of the specification (37 C.F.R. §1.125(b)(2)) and each rewritten claim (37 C.F.R. §1.121(c)(1)(ii)).

Prompt and favorable examination on the merits is respectfully requested.

Respectfully submitted,



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Attachments:

Substitute Abstract
Appendix
Substitute Specification
Marked-up copy of specification

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APPENDIX

Changes to Title:

The following is a marked-up version of the amended title:

DISPLAY DEVICE, DRIVING METHOD THEREFOR, ELECTRO-OPTICAL DEVICE,
DRIVING METHOD THEREFOR, AND ELECTRONIC APPARATUS

Changes to Abstract:

The following is a marked-up version of the amended Abstract:

~~An~~ The invention provides an electro-optical device including pixels disposed in a matrix at intersections of a plurality of signal lines and a plurality of scanning lines, ~~each~~ Each of said pixels ~~including~~ includes sub-pixels that are each provided with a static random access memory and an electro-optical element.

Changes to Specification:

A Substitute Specification is attached in accordance with 37 C.F.R. 1.125(b)(2).

Changes to Claims:

The following are marked-up versions of the amended claims:

1. (Amended) A display device, ~~in which~~ comprising:
- _____ pixels ~~are~~ disposed in a matrix, each of said pixels including a plurality of sub-pixels, each of said sub-pixels ~~each~~ including a static random access memory.
2. (Amended) The display device according to claim 1, said sub-pixels being set in ~~either one of~~ an ON state ~~or and~~ an OFF state.
3. (Amended) The display device according to claim 2, a grayscale level being set by a function of a ratio of ~~the~~ a maximum luminance level of each of said pixels to ~~the~~ a sum of luminance levels of all of said sub-pixels included in the each of said pixels.

8. (Amended) A driving method for a display device ~~in which~~ that includes pixels ~~are~~ disposed in a matrix, each of said pixels including a plurality of sub-pixels provided with a static random access memory, the driving method comprising:
controlling said sub-pixels ~~being controlled~~ to be either in one of an ON state ~~or and~~ an OFF state; and
obtaining a grayscale ~~being obtained~~ by using a ratio of an area occupied by each of said pixels to a total area occupied by the sub-pixels in the ON state included in the each of said pixels.

9. (Amended) A driving method for a display device ~~in which~~ that includes pixels ~~are~~ disposed in a matrix, each of said pixels including a plurality of sub-pixels provided with a static random access memory, the driving method comprising:
controlling said sub-pixels ~~being controlled~~ to be either in one of an ON state ~~or and~~ an OFF state; and
obtaining a grayscale ~~being obtained~~ by using a ratio of ~~the a~~ maximum luminance level of each of said pixels to ~~the a~~ sum of luminance levels of the sub-pixels in the ON state included in the each of said pixels.

10. (Amended) An electro-optical device, including comprising:
a plurality of signal lines;
a plurality of scanning lines;
pixels disposed in a matrix at intersections of ~~a the~~ a plurality of signal lines and ~~a the~~ a plurality of scanning lines, each of said pixels including sub-pixels that are each provided with a static random access memory and an electro-optical element.

11. (Amended) The electro-optical device according to claim 10, ~~the a~~ a luminance of each of said electro-optical elements having two values including a lower luminance level and a higher luminance level.

12. (Amended) The electro-optical device according to claim 11, a grayscale level being set as a function of ~~the~~ a sum of luminance levels of said electro-optical elements contained in each of said pixels.

13. (Amended) The electro-optical device according to claim 11, a grayscale level being set as a function of a ratio of a total area occupied by all of the electro-optical elements contained in one of said pixels to a total area occupied by the electro-optical elements which are set at the higher luminance level.

17. (Amended) A driving method for an electro-optical device ~~including that~~ includes pixels disposed in a matrix at intersections of a plurality of signal lines and a plurality of scanning lines, the pixels including sub-pixels that are each provided with an electro-optical element ~~being that is~~ disposed within said pixel, said driving method comprising:

~~a step of~~ supplying a data signal ~~for to controlling control~~ a luminance level of said electro-optical elements to either a higher luminance level or a lower luminance level via said plurality of signal lines; and

~~a step of~~ retaining the data signal in a static random access memory disposed within each of said sub-pixels.

18. (Amended) A driving method for an electro-optical device ~~in which that~~ includes pixels ~~are~~ disposed in a matrix, each of said pixels including a plurality of sub-pixels provided with a static random access memory, the driving method comprising:

controlling said sub-pixels ~~being controlled to either one of~~ an ON state ~~or and~~ an OFF state; and

obtaining a grayscale ~~being obtained by~~ using a ratio of the maximum luminance level of each of said pixels to the sum of luminance levels of the sub-pixels in the ON state included in the each of said pixels.